UNLV graduates/ students who are employed by your organization exhibit the following capabilities:

1. Understanding of state-of-the-art and evolving areas associated with the mechanical engineering field.
2. The ability to design and conduct experiments, analysis, data, and utilize statistical methods.
3. The ability to use computers in solving engineering problems.
4. The ability to use computers in solving engineering problems.
5. The ability to conduct experiments, analysis, data, and utilize statistical methods.
6. The ability to design and conduct experiments, analysis, data, and utilize statistical methods.
7. The ability to use computers in solving engineering problems.
8. The ability to use computers in solving engineering problems.
9. The ability to use computers in solving engineering problems.
10. The ability to conduct experiments, analysis, data, and utilize statistical methods.
11. The ability to use computers in solving engineering problems.

Importance to your organization.

3. Educational Outcomes

4. S07 Questionnaire For ME Department Advising Board / Local Industry

5. Educational Outcomes

6. S07 Questionnaire For ME Department Advising Board / Local Industry
Graduate performance:

**Comments:**

1) Mathematics and stress analysis are the primary functions for work. Finite element modeling and analysis also contribute heavily into the day to day activities of aircraft structures analysis. Background knowledge of thermal sciences, fluid dynamics and dynamics are useful for relating to other engineers working on other aspects of large projects, but are not generally used directly. More extensive knowledge of composites and manufacturing would have been useful prior to graduating, but it is something that can be learned after graduation.

2) Only once since graduation have I had a fellow UNLV Engineering graduate working with me. He seemed too prideful and was extremely overworked. The overworked aspect seemed to be a result of a lack of preparedness in basic engineering principles.

3) Since I am a one person Engineering Consulting firm, I have no other engineers in my employ.
Preparation

<table>
<thead>
<tr>
<th>much more prepared</th>
<th>more prepared</th>
<th>same level of preparedness</th>
<th>less prepared</th>
<th>much less prepared</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you consider UNLV graduates prepared to enter the workforce compared to graduates of other universities?</td>
<td></td>
<td></td>
<td>7</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Comments:

1) It is entirely depended upon the field of Engineering that the graduate has chosen. In the case of Civil Engineering the graduate is well prepared because of his exposure to the extensive local workforce requirement. In the case of Mechanical Engineering, I believe that not nearly enough course emphasis is placed upon the students ability to prepare and interpret engineering drawings. There should be a greater requirement for course completion in Computer Aided Design as well as Computer Aided Manufacturing.
**Motivation**

<table>
<thead>
<tr>
<th></th>
<th>very motivated</th>
<th>slightly motivated</th>
<th>neutral</th>
<th>slightly unmotivated</th>
<th>not motivated at all</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you feel that UNLV graduates are motivated to gain professional registration?</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Comments:**
1) My exposure to UNLV graduates has been minimal at best, but my limited contacts with the current students has left me with a positive feeling about their potential.
P.E. Advantage

<table>
<thead>
<tr>
<th></th>
<th>strong advantage</th>
<th>slight advantage</th>
<th>neutral</th>
<th>slight disadvantage</th>
<th>no advantage at all</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is there an advantage in your firm for having professional registration?</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

Comments:

1) Professional registration in aircraft structures comes in the form of designation by the FAA. More traditional professional registration such as PE by the state engineering board is not required to be designated by the FAA. Acquiring a PE in the future is something that is being looked into on a personal level.
Can you tell us something about your organization?

<table>
<thead>
<tr>
<th>Municipal</th>
<th>Federal</th>
<th>State</th>
<th>Large Industry</th>
<th>Medium Industry</th>
<th>Small Industry</th>
<th>Consulting</th>
<th>Contracting</th>
<th>Sales</th>
<th>Other (please specify)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments:
1) Not sure exactly what you are looking for with "Can you tell us something about your organization?"
Can you tell us something about your activities?

<table>
<thead>
<tr>
<th></th>
<th>HVAC</th>
<th>Power Generation</th>
<th>R&amp;D</th>
<th>Equipment</th>
<th>Plumbing/ Piping Design</th>
<th>Utilities</th>
<th>Project Design</th>
<th>Other (please specify)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>5</td>
</tr>
</tbody>
</table>

Others:
1) Aerospace Design(1)
2) Govt (2)
3) Automotive Engineering(1)